

Product data sheet

Specifications



APC Back-UPS 650VA, 120V, 1 USB charging port, Retail



BW650U1

Overview

Lead time Usually in Stock

Main

Main Input Voltage	120 V AC 1 phase
Input Connection Type	NEMA
Plug standard	NEMA 5-15P
Efficiency at full load	88...143 V
Input Frequency	50/60 Hz +/- 5 Hz auto-sensing
Output voltage	120 V AC 1 phase
Rated power in W	360 W
rated power in VA	650 VA
output connection type	5 NEMA 5-15R 2 NEMA 5-15R surge
USB Charging Port	None
Maximum configurable power in VA	650 VA
Max Configurable Power (Watts)	360 W
Transfer Time	6ms typical : 10ms maximum
Topology	Standby
Waveform Type	Stepped approximation to a sinewave
Output frequency	50/60 Hz +/- 1 Hz not synced
Replacement battery	APCRBCV211

Graphs

Run Time	View Runtime Graph
Efficiency	View Efficiency Graph

Complementary

Battery Size	Lead-acid internal included
Control panel	LED Status display with On Line : On Battery
Alarm	Alarm when on battery : distinctive low battery alarm : overload continuous tone alarm
UPS connectivity	None

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

Surge energy rating	490 J
Height	5.5 in (139 mm)
Width	4.1 in (105 mm)
Depth	10.8 in (274 mm)
Product Weight	6.8 lb(US) (3.1 kg)
Mounting preference	No preference
Mounting Mode	Not rack-mountable
Two post mountable	0
USB compatible	Yes
Mounting mode	Tower
Number of power module filled slots	0
Number of power module free slots	0
Redundant	No
Range of Product	Back-UPS
Product or Component Type	Uninterruptible power supply (UPS)

Environment

Product Certifications	California (CEC) Battery Charger cTUVus ENERGY STAR V2.0 (USA)
Equipment protection policy	Lifetime : \$75000
Ambient Air Temperature for Operation	32...104 °F (0...40 °C)
Ambient Air Temperature for Storage	5...113 °F (-15...45 °C)
Storage altitude	0...10000 ft (0...3048 m)
Relative Humidity	0...90 %
Storage Relative Humidity	0...95 % non-condensing
Operating altitude	0...6666 ft

Batteries & Runtime

Battery Type	Lead-Acid battery
Extendable Run Time	0
Included Battery Modules	0
Battery Slots Empty	0
Battery Charge Power (Watts)	8000 W rated

Ordering and shipping details

GTIN	731304764564
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Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	8.7 in (22.1 cm)

Package 1 Width	13.5 in (34.3 cm)
Package 1 Length	5.7 in (14.4 cm)
Package weight(Lbs)	7.9 lb(US) (3.6 kg)
SCC14	10731304764561

Contractual warranty

Warranty (in months)	36 UPS 12 Battery
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Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)



Environmental footprint

Total lifecycle Carbon footprint	95 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	26 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	0.3 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	68 kg CO2 eq.
Carbon footprint of the end-of-life phase [C1 to C4]	0.2 kg CO2 eq.
Environmental Disclosure	Product Environmental Profile

Use Better



Materials and Substances

Packaging made with recycled cardboard	No
Packaging without single use plastic	No
EU RoHS Directive	Compliant By Exemption
REACH Regulation	Reference contains Substances of Very High Concern above the threshold



Energy efficiency

Optimized Energy Efficiency	Energy efficient product
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Use Longer



Lifetime extension

Repair	No
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Use Again



Repack and remanufacture

Recyclability potential, in %	62
Circularity Profile	End of Life Information
Removable battery	No
Take-back	Yes

Image of product / Alternate images

Alternative



